

Speakers.





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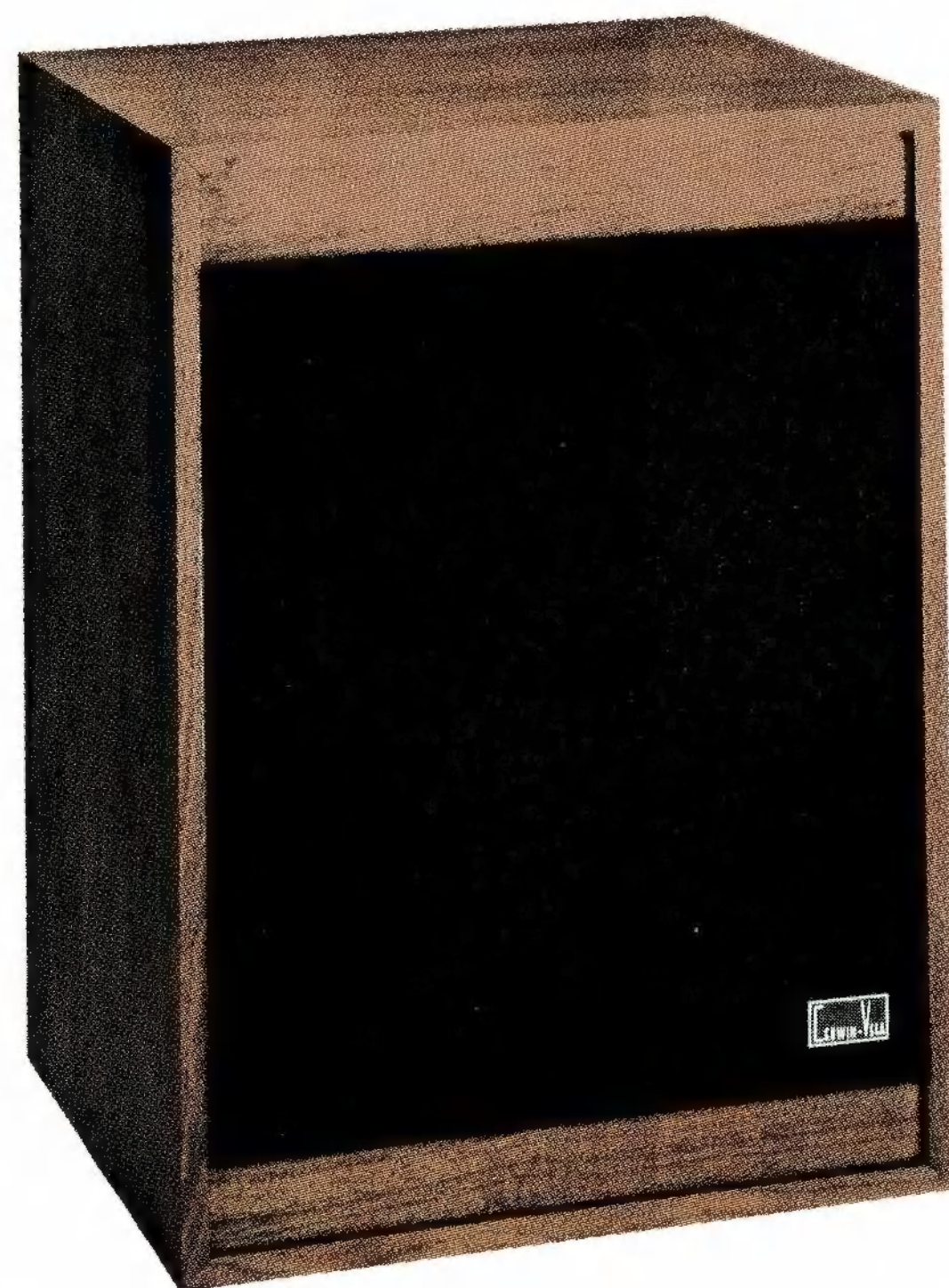
26



211



211R



217R

SYSTEM SPECIFICATIONS

	24	26	211	211R	217R
MAXIMUM POWER INPUT	40 watts RMS 80 watts peak	60 watts RMS 120 watts peak	100 watts RMS 200 watts peak	100 watts RMS 200 watts peak	150 watts RMS 300 watts peak
EFFECTIVE FREQUENCY RANGE	30-25,000Hz	30-25,000Hz	25-25,000Hz	25-25,000Hz	25-25,000Hz
FLAT FREQUENCY RANGE	38-20,000Hz ± 4dB	38-20,000Hz ± 4dB	32-20,000Hz ± 3½dB	32-20,000Hz ± 3½dB	30-20,000Hz ± 3½dB
ONE WATT SENSITIVITY* (measured at 1 meter on axis)	94dB	96dB	98dB	100dB	103dB
MAXIMUM SOUND LEVEL* (at 1 meter at rated power)	109dB	113dB	117dB	119dB	124dB
DYNAMIC RANGE (in a 40dB ambient noise field)	69dB	73dB	77dB	79dB	84dB
CROSSOVER FREQUENCY	2,500Hz	2,500Hz	2,500Hz	1,500Hz 3,000Hz	1,500Hz 3,000Hz
SPEAKER ELEMENTS LF:	L-120 12"(30cm) 1.6"(4cm)voice coil 22Hz resonance, 6 lb. (2.7 kg)magnet system	L-121 12"(30cm) 1.6"(4cm)voice coil 22Hz resonance, 7 lb. (3.2 kg)magnet system	L-122 12"(30cm) 2.1"(5.3cm)voice coil 24Hz resonance, 10 lb. (4.5 kg)magnet system	L-123W 12"(30cm) 2.1"(5.3cm)voice coil 20Hz resonance, 13 lb. (5.9 kg)magnet system	L-153W 15"(38cm) 2.1"(5.3cm)voice coil 16Hz resonance, 13 lb. (5.9 kg)magnet system
MF:				HF-91 cast aluminum horn, 1"(2.5cm)voice coil, 18,000 Gauss	HF-91 cast aluminum horn, 1"(2.5cm)voice coil, 18,000 Gauss
HF:	DT-4 2½"(6.4cm) 1"(2.5cm)voice coil 13,000 Gauss	DT-6 2½"(6.4cm) 1"(2.5cm)voice coil 15,000 Gauss	DT-8 cast aluminum 5"(12.7cm)1"(2.5cm) voice coil 16,000 Gauss	DT-10 cast aluminum 5"(12.7cm)1"(2.5cm) voice coil 18,000 Gauss	DT-10 cast aluminum 5"(12.7cm)1"(2.5cm) voice coil 18,000 Gauss
DISPERSION at 10 kHz	100°	100°	100°	100°	100°
IMPEDANCE	4-8 ohms	4-8 ohms	4-8 ohms	4-8 ohms	4-8 ohms
CONFIGURATION	Direct radiating 2 way, Infrasonic ducted cabinet	Direct radiating 2 way, Infrasonic ducted cabinet	Direct radiating 2 way, Infrasonic ducted cabinet	Direct radiating with controllable mid-hi reflection, Infrasonic ducted cabinet	Direct radiating with controllable mid-hi reflection, Infrasonic ducted cabinet
DIMENSIONS, Inches (cm) DxWxH	12x14½x25 (30x37x64)	12x14½x25 (30x37x64)	15½x15x26 (39x38x66)	15½x15x26 (39x38x66)	17x20x27½ (43x51x70)

*measured in 90° x 180° radiation angle. Specifications subject to change without notice.

ALL CERWIN-VEGA SPEAKER SYSTEMS FEATURE:

- ☐ Smooth, extended response, low coloration, and good dispersion across the entire audio spectrum
- ☐ High Efficiency Design — 4 to 10 times more output per watt than competing systems
- ☐ Enormous Flux Densities for quick precisely damped transient response and accurate reproduction of subtle musical textures
- ☐ High Energy components with up to 10 dB more undistorted output capability than other systems
- ☐ "Infrasonic" Back wave tuning for optimum bass coupling to listening room
- ☐ Circuit Breaker or fuse protection of all hi-frequency drivers

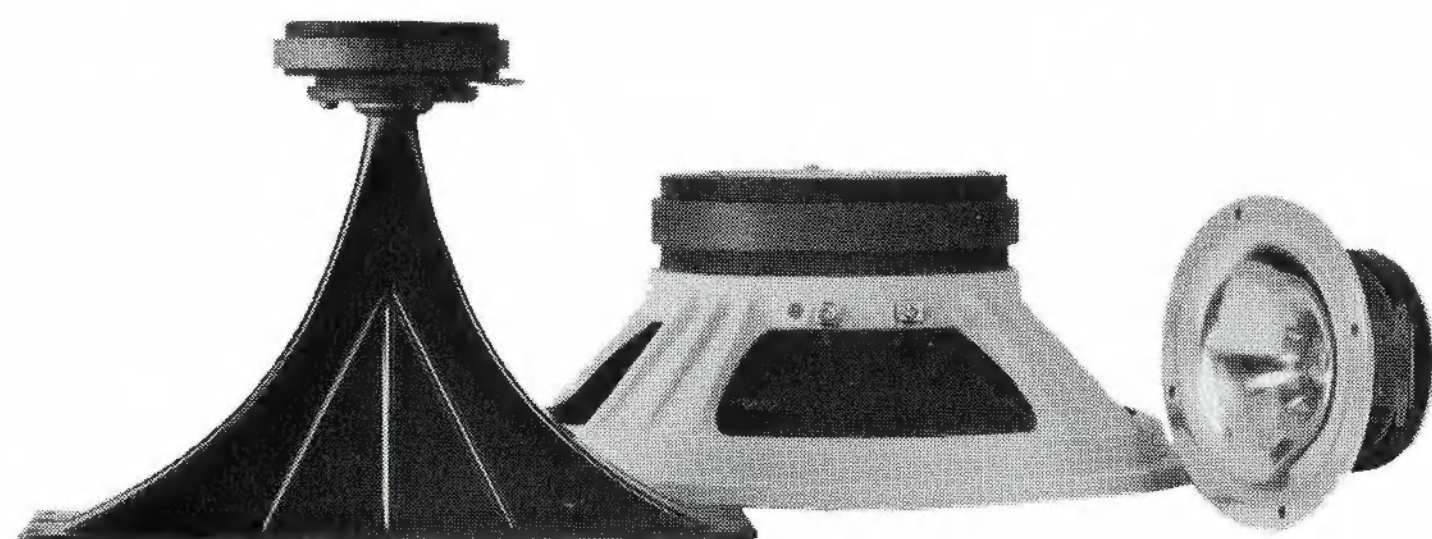
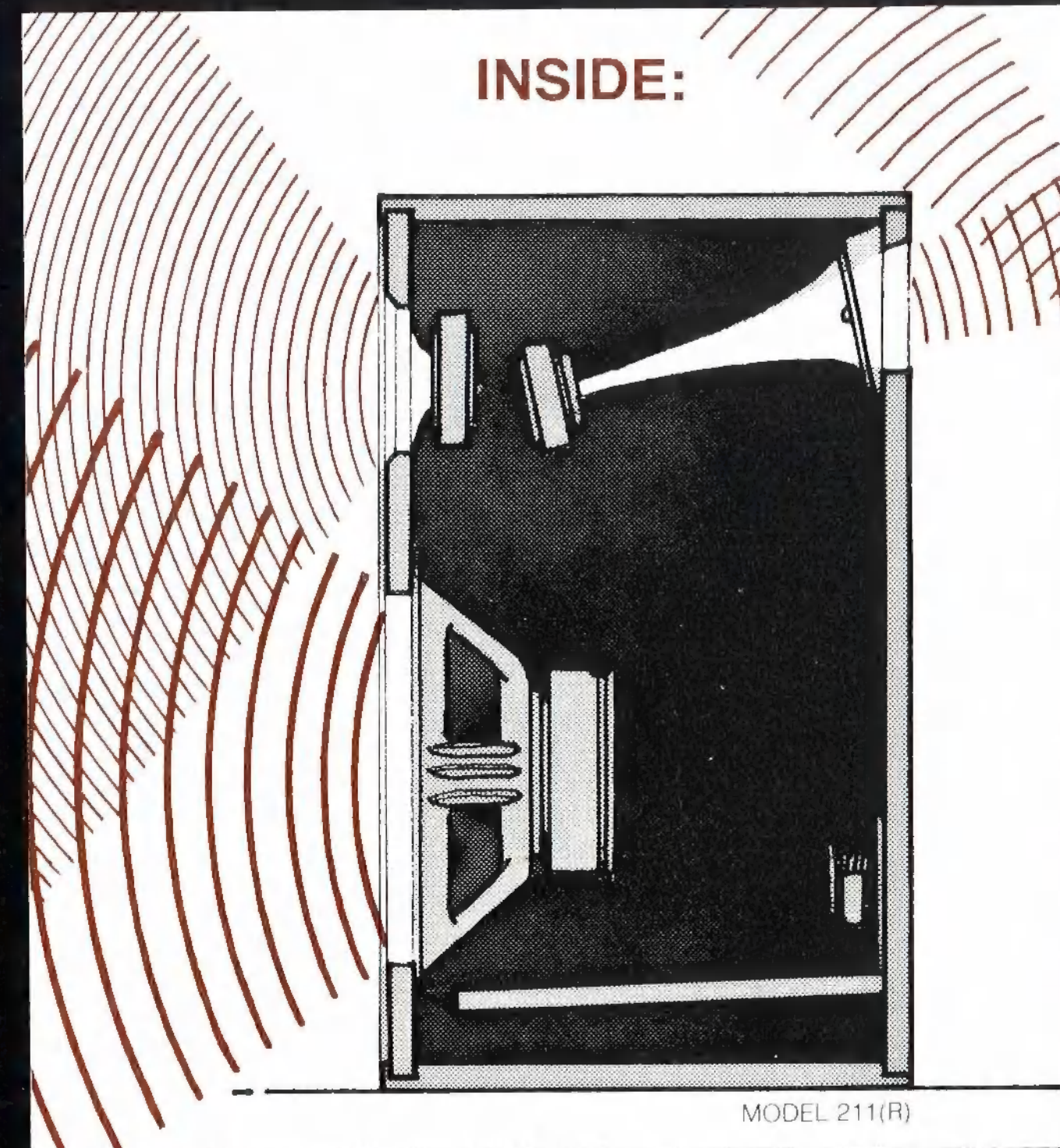
INSIDE:

- 1) **BASS YOU CAN FEEL.** Cerwin-Vega woofers combine high efficiency and high power handling ability for more low-distortion output below 50 Hz and quicker transient attack than sluggish acoustic suspension units.
- 2) **CRISP, ACCURATE HIGHS.** Our exclusive dhorm tweeters feature extremely high flux densities and low mass diaphragms. The result — superior transient response and flat evenly dispersed output to beyond 20 kHz.
- 3) **CONTROLLABLE IMAGING.** A reflective mid-hi horn in the 211R and 217R adds spatial dimension and presence, eliminates "holes" due to poor room acoustics.
- 4) **UNIQUE "INFRASONIC" TUNING.** Basic enclosure resonance of 5-10 Hz eliminates response peaks and "boom" from the audible range.

OUTSIDE:

- 1) **RUGGED COMPONENTS.** Extra heavy frames and specially treated cones and voice coils maintain flawless performance under demanding use.
- 2) **QUALITY CABINETS.** All cabinets are premium hardwood on hi-density 3/4" particle board, with solid inlays and hand rubbed natural oil finishes for lasting beauty and easy maintenance.
- 3) **EASY COMPONENT ACCESS.** Snap-on grille (except 24) and removable cabinet back allow field-replacement of all components.
- 4) **ADJUSTABLE BALANCE.** Rotary crossover controls allow precise tailoring of high frequency balance to suit any room and any music. (fixed crossover on 24).

INSIDE:



THE DRAMATIC RETURN OF THE HIGH EFFICIENCY SPEAKER

After a ten year absence, the term "efficiency" has lately begun to reappear in articles and advertisements for loudspeakers. It seems that people are once more concerned about the sensitivity of the speakers they buy, and that the long reign of the power-hungry "acoustic suspension" designs is about over.

WHY EFFICIENCY?

There are a number of reasons for this renewed interest in speaker

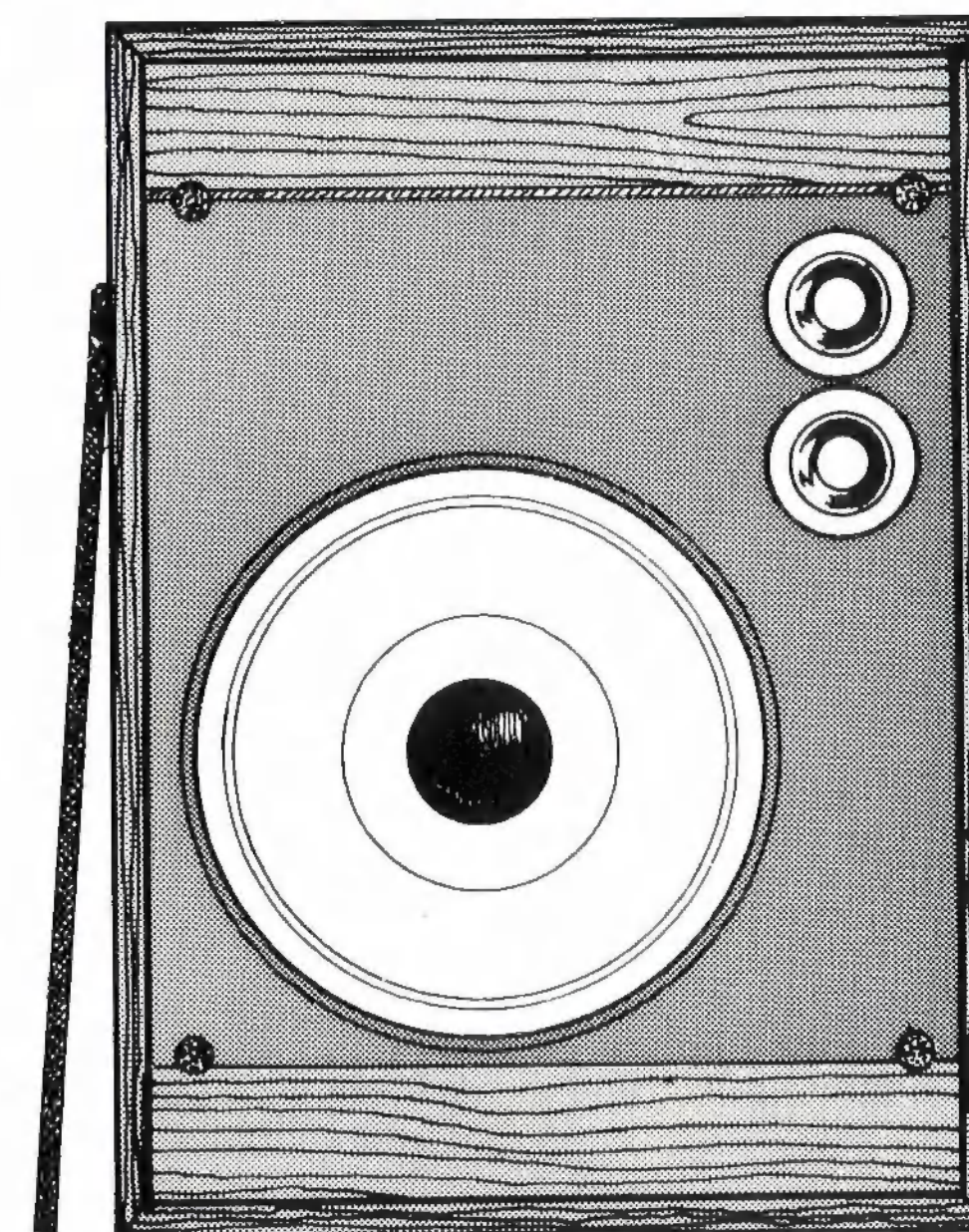
efficiency. Most involve the fact that today's listening tastes tend toward more volume with less distortion than the typical low efficiency speaker system can deliver with amplifiers of moderate size. As evidence of this fact, witness the recent popularity of super-powered amplifiers in home music systems. Several hundred watts of amplifier power used to be regarded as a frivolous excess, but tests have confirmed that these power levels are

a practical necessity for faithful reproduction of modern recordings with low efficiency speakers. Unfortunately, very few of these speakers can withstand such high power operation for long.

High efficiency speakers offer an economical way out of this dilemma. They require far less power for lifelike reproduction, and can even sound "bigger than life" with a large amplifier. Thus they are virtually the only choice for those who want to feel the im-

continued . . .

OUTSIDE:



MODEL 217(R)

continued . . .

pact of their favorite music in all its original brilliance and clarity.

THE PROFESSIONAL'S CHOICE

Since our origins in the professional audio field over 20 years ago, Cerwin-Vega has shared the market for high efficiency speakers with only a handful of other firms. We were (and are) willing to let the literally hundreds of companies making low efficiency sealed systems compete for that segment of the market, because the drastic limitations inherent in the acoustic suspension principle are not consistent with our ideas of what High Fidelity should be. And it is worth noting that most recording engineers seem to agree, since it is next to impossible to find a low efficiency system being used for studio work. Monitor speakers must be able to play loud for hours on end without distorting or breaking down, and no system that wastes 99% of the amplifier's output generating heat

can stand up to this kind of demanding use.

THE BANDWAGON ROLLS

Now that the Hi-Fi industry as a whole is finally becoming aware of the demands and tastes of today's music lover, everyone is trying to build efficient speakers. Hardly a week passes without at least one "new" high efficiency system being announced. However, many of the recent converts to the idea of efficiency are discovering that there is a great deal more to producing a quality high efficiency system than a passable acoustic suspension system. The inexpensive, sluggish components and corner-cutting construction techniques that are in almost universal use today are not suitable for efficient systems. Drivers must be made with heavy magnets, tight voice coil clearances, and rock-solid frames to keep these critical parts in alignment. The much greater dynamic forces developed by efficient

speakers require stronger voice coils, light but rugged diaphragms, and special linear suspensions. Cabinets must be sturdier to handle higher output levels without rattles or resonances. And the delicate interplay between speaker and enclosure must be carefully worked out to produce solid bass without a false boominess or "hangover."

All this extra effort and expense costs money of course, but happily the result is a system that is so loud and clean that your ears may distort before it does. A bit of careful listening will convince you: there is simply nothing that can compare to the breathtaking realism and airy, unstrained sound quality of a high efficiency Cerwin-Vega speaker system.

CONSTRUCTION NOTES

The heart of any speaker system is the driver components used, and at Cerwin-Vega we build our

own, using many of the same techniques that make our musical instrument speakers the reliability champions of the industry. Cabinets are built in our own shops, with real walnut, glue, and old-fashioned screws (so you can take the back off the speaker without destroying it.) Every system we make is individually checked out with eyes, ears, and electronics to assure perfect performance. And it leaves our factory backed by probably the most ambitious warranty policy in the industry — our commitment to do anything within reason to make sure you are satisfied with your new speakers.

Because we would rather spend money building better speakers than running expensive advertisements, we rely almost exclusively on word of mouth to promote our products. Satisfied customers have always been our best form of advertising, and we think that's the way it should be.

CERWIN-VEGA PRODUCT GUARANTEE

The materials and workmanship in your Cerwin-Vega residential speaker system are guaranteed for a period of two years from the date of purchase. This guarantee covers parts and labor only when serviced at a factory authorized warranty station. It excludes any damage resulting from mechanical or electrical misuse.

We feel that any precision built audio component should provide many years of optimum performance. Therefore, we will, at our discretion, repair any Cerwin-Vega transducer that proves to have failed because of faulty materials or workmanship for the life of the speaker.

Your Cerwin-Vega speaker system was carefully tested, inspected, and packed and left our factory in perfect condition. In case of damage, notify your dealer and the shipping company immediately.



FOR A LIST OF DEALERS IN YOUR AREA CONTACT:
CERWIN-VEGA 6 45 TUJUNGA NORTH HOLLYWOOD, CA 91605 (213) 769-4869